

Art Unit: 2818

CLMPTO

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11/05/04

CLAIMS 1-27 CANCELED

28. A thin film partially transparent photovoltaic module comprising series connected cells, at least one amorphous semiconductor layer, a metal contact layer, and interconnects connecting the series-connected cells, the module comprising a plurality of scribes at least through the metal contact layer positioned in a direction  
10 that crosses the direction of the interconnects.

29. The module of Claim 28 wherein each scribe has a width of about 0.01 to about 0.5 mm.

30. The module of Claim 29 wherein each scribe has a width of about 0.05 to about 0.2 mm.

15 31. The module of Claim 30 wherein the scribes are spaced from each other about 0.5 to about 5 mm.

32. The module of Claim 28 having a transmission of at least about 10 percent.

20 33. The module of Claim 28 having a transmission of least about 20 percent.

34. The module of Claim 28 wherein the scribes are in the form of connected holes.

35. The module of Claim 34 wherein the holes are round and have a diameter of about 0.01 to about 0.2 mm.

25 36. The module of Claim 28 further comprising bus bars located adjacent to the first and last cell in the module and wherein the laser scribes extend across the surface of the photovoltaic module but not including the bus bars.

CLAIMS 37-40 CANCELED

Art Unit: 28/γ

- 5           41.   A window comprising the photovoltaic module of Claim 28.
42.   Sun screens and canopies comprising the photovoltaic modules of  
Claim 28.
43.   The photovoltaic module of Claim 28 wherein the scribes are grouped  
in bands of closely spaced scribe lines separated by bands having few or no scribes.
- 10          44.   The photovoltaic module of Claim 28 wherein the distance between at  
least a portion of the scribes is graded.

CLAIMS 45-48 CANCELED